REMARKS

This amendment and these remarks are responsive to the first Office action dated August 25, 2005. In the Office action, the Examiner rejected all six pending claims as anticipated or obvious. Specifically,

- Claims 1, 2, 5, and 6 were rejected under 35 U.S.C. § 102(b) as anticipated by U.S. Patent No. 5,282,251 to Petersen.
- Claims 3 and 4 were rejected under 35 U.S.C. § 103(a) as unpatentable over Petersen.

Applicant traverses the prior-art rejections and respectfully requests reconsideration of the application. Petersen neither teaches nor suggests applicant's claimed invention, as amended.

Claim Rejections

The Examiner rejected claims 1-6 as anticipated by or obvious in view of Petersen. Applicant traverses these rejections. Applicant contends that Petersen neither teaches nor suggests applicant's claimed invention. For example, Petersen does not include "a second volume control configured to change the volume of the second sound source without affecting the volume of the first sound source," as required by claim 5.

Nevertheless, to further prosecution of the application, applicant has clarified certain features recited in amended independent claims 1 and 6 to focus on one distinguishing feature, namely that the second sound source is positioned so that, as recited by amended claim 1, "sound from the second sound source is directed vertically".

As required by both amended independent claims 1 and 6, applicant's invention requires positioning of the second sound source so that "sound from the second sound source

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is directed vertically". As described in further detail below, this feature maximizes the direct to indirect sound ratio and reduces reverberation (t-time),

Petersen discloses a portable speaker system for the hearing impaired. The system includes at least two speakers mounted on a moveable framework. As shown below in Figure 1 from Petersen, the framework may be positioned about a chair so that one speaker is directed toward a listener's left ear and the other speaker is directed toward the listener's right ear.

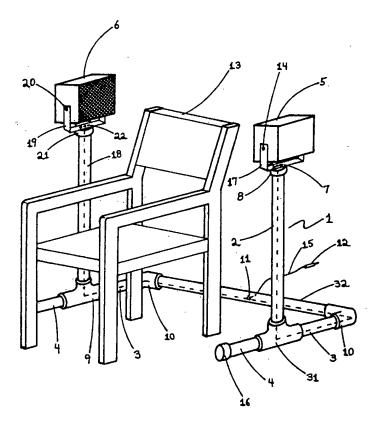


Figure 1 from Petersen

The height of the speakers corresponds to the height of a seated listener's ears (see, e.g., Figure 1 and claim 1 from Petersen), and the speakers are positioned to direct the sound horizontally from both sides of the listener.

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In contrast, as amended, applicant's claimed invention is an assistive-listening system having a support structure that positions a sound source generally above a hearing-impaired listener's head, so that sound is directed generally downward onto the hearing-impaired listener, rather than horizontally toward the hearing-impaired listener as in Petersen. Differences in these two configurations may be seen by comparing Figure 1 from Petersen with the embodiment of applicant's invention shown in Figure 6 from the application.

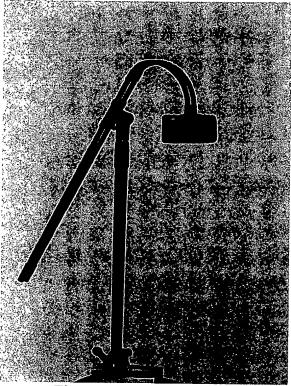


Figure 6A from Application

Figure 6B from Application

Positioning a sound source generally above a hearing-impaired listener's head is neither taught nor suggested by Petersen. The portable speaker system in Petersen uses two oppositely directed speakers to direct sound toward each of a listener's two ears. The speakers are shown positioned at ear level. Petersen, Figure 1. The speakers are described as

positioned so that a seated user is positioned "between the speakers," with the "speakers directly focused into each ear." Petersen, column 2, lines 13, 18, and 19. The speakers also are described as positioned at "a height as to direct an audio sound emanating from said speakers directly towards the ear of the listener." Petersen, column 4, lines 11-13 (emphasis added). There is no teaching or suggestion that the speakers be positioned anywhere else, let alone generally above a listener. Moreover, positioning the speakers above the listener may be inconsistent with the notion of directly focusing the speakers into a listener's ears.

Positioning a sound source generally above a hearing-impaired listener's head may provide significant advantages over positioning a sound source at ear level as taught by Petersen. In particular, positioning a sound source generally above a listener may reduce indirect sound and reverberation because sound will be directed onto sound-absorbing surfaces, such as the carpet, chair, and listener's body, rather than onto sound-reflective surfaces, such as walls and ceilings. Application, page 7, lines 17-21. Reduced reverberation can increase speech intelligibility, so that applicant's claimed invention may provide increased sound level and improved sound quality, both important to hearing-impaired listeners. Positioning a sound source generally above a listener also should reduce the sound directed at other listeners, so that non-hearing-impaired listeners are less likely to be subjected to potentially uncomfortable sound levels.

In conclusion, the Examiner should allow claims 1-6 because applicant's claimed invention is neither taught nor suggested by Petersen and because applicant's claimed invention provides significant advantages over Petersen and the other art of record.

Accordingly, and for reasons described above, applicant respectfully requests allowance of all amended claims. If a telephone interview would in any way advance prosecution of the application, please contact applicant's attorney David P. Cooper at the address and telephone number indicated below.



Respectfully submitted,

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CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: MAIL STOP: AF, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on November 23, 2005.

Mandi M. Leighty